

SAFETY DATA SHEET



3994902 OMYAJET 5010-FL 50% C

Version	Revision Date:	SDS Number:	Date of last issue: 05/04/2015
1.2	06/01/2017	3994902	Date of first issue: 04/30/2015
(GHS_US)			

SECTION 1. IDENTIFICATION

Product name : OMYAJET 5010-FL 50% C

Manufacturer or supplier's details

Company name of supplier : Omya International AG

Address : 42 Baslerstrasse
Oftringen AG 4665

Telephone : +41627892929

Telefax : +41627892077

Emergency telephone : (800) 424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Filler or Pigment

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Carcinogenicity (Inhalation) : Category 1A

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H350i May cause cancer by inhalation.

Precautionary Statements :

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

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P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Substance name : Calcium carbonate (PCC) slurry

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Ground calcium carbonate (GCC)	1317-65-3	$\geq 25 - < 50$
silicic acid, calcium salt	1344-95-2	$\geq 2 - < 5$
OEL substance pentacalcium hydroxide tris(orthophosphate)	12167-74-7	$\geq 5 - < 10$
OEL substance Ground calcium carbonate (GCC)	1317-65-3	$\geq 30 - < 50$
Silicic acid, sodium salt	1344-09-8	$\geq 5 - < 5.1$
Silica, crystalline (quartz)	14808-60-7	0.2

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed : May cause cancer.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

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circumstances and the surrounding environment.

Hazardous combustion products : No hazardous combustion products are known

Further information : Standard procedure for chemical fires.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : Do not store near acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ground calcium carbonate (GCC)	1317-65-3	TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Total dust)	15 mg/m ³	OSHA P0
		TWA (respirable dust fraction)	5 mg/m ³	OSHA P0
Silica, crystalline (quartz)	14808-60-7	TWA (respirable)	10 mg/m ³ / %SiO ₂ +2	OSHA Z-3
		TWA	250 mppcf	OSHA Z-3

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		(respirable)	/ %SiO ₂ +5	
		TWA (respirable dust fraction)	0.1 mg/m ³	OSHA P0
		TWA (Respirable fraction)	0.025 mg/m ³ (Silica)	ACGIH
		TWA (Respirable dust)	0.05 mg/m ³ (Silica)	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m ³	OSHA Z-1

Hazardous components without workplace control parameters

Ingredients	CAS-No.
Silicic acid, sodium salt	1344-09-8

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid (20 °C, 1,013 hPa)

Odor : characteristic

Melting point/range : 0 °C

Boiling point : 100 °C

Water

Flash point : Not applicable

Flammability (solid, gas) : does not ignite

Flammability (liquids) : Does not sustain combustion.

Burning number : 1 (20 °C)

Upper explosion limit : Upper flammability limit
Not applicable

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Lower explosion limit	:	Lower flammability limit Not applicable
Vapor pressure	:	23 hPa (20 °C) aqueous phase
Density	:	1.1 - 1.7 g/cm ³ (20 °C) Method: DIN-ISO 787/10 Density depends on the solids content of the dispersion.
Solubility(ies) Water solubility	:	0.014 g/l (20 °C) 0.018 g/l (75 °C)
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	Not applicable
Decomposition temperature	:	> 400 °C
Explosive properties	:	Not explosive Not explosive

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No decomposition if used as directed. Reacts with acids. It forms carbon dioxide (CO ₂). This displaces the oxygen in the air in closed spaces. (danger of suffocation)
Conditions to avoid	:	No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	LD50 Oral (Rat): > 5,000 mg/kg
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Ingredients:

Ground calcium carbonate (GCC):

Acute oral toxicity	:	LD50 Oral (Rat): > 5,000 mg/kg
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silicic acid, calcium salt:

Acute oral toxicity : LD50 Oral (Rat): estimated > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): >= 58.8 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg
Method: OECD Test Guideline 402

pentacalcium hydroxide tris(orthophosphate):

Acute oral toxicity : LD50 Oral (Rat, male and female): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): 2.6 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Target Organs: No specific target organs noted

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 7,940 mg/kg

Ground calcium carbonate (GCC):

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Silicic acid, sodium salt:

Acute oral toxicity : LD50 (Rat, male and female): 3,400 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OPPTS 870.1200
GLP: yes

Skin corrosion/irritation

Ingredients:

pentacalcium hydroxide tris(orthophosphate):

Species: Rabbit
Exposure time: 24 h
Assessment: No skin irritation
Result: No skin irritation

Serious eye damage/eye irritation

Ingredients:

pentacalcium hydroxide tris(orthophosphate):

Species: Rabbit
Result: No eye irritation
Assessment: No eye irritation

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Respiratory or skin sensitization

Product:

No data available

Ingredients:

pentacalcium hydroxide tris(orthophosphate):

Routes of exposure: Skin contact

Species: Mouse

Assessment: not sensitizing

Method: OECD Test Guideline 429

Result: Did not cause sensitization on laboratory animals.

Germ cell mutagenicity

Ingredients:

pentacalcium hydroxide tris(orthophosphate):

Genotoxicity in vitro : Method: OECD Test Guideline 476
Result: negative

Carcinogenicity

Ingredients:

Silica, crystalline (quartz):

Carcinogenicity - Assessment : Positive evidence from human epidemiological studies (inhalation)

IARC

Group 1: Carcinogenic to humans

Silica, crystalline (quartz) 14808-60-7

NTP

Known to be human carcinogen

Silica, crystalline (quartz) 14808-60-7

STOT-repeated exposure

Ingredients:

Silica, crystalline (quartz):

Routes of exposure: Inhalation

Target Organs: Lungs

Assessment: May cause damage to organs through prolonged or repeated exposure.

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Repeated dose toxicity**Ingredients:****pentacalcium hydroxide tris(orthophosphate):**

Species: Dog, male
NOAEL: 322.88 mg/kg
Application Route: Oral
Exposure time: 90 d
Target Organs: Kidney

Species: Dog, female
NOAEL: 492.77 mg/kg
Application Route: Oral
Exposure time: 35 d
Target Organs: Kidney

Further information**Product:**

No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l
Exposure time: 72 h

EC50 (Desmodesmus subspicatus (green algae)): 289 mg/l
Exposure time: 72 h

Ingredients:**Ground calcium carbonate (GCC):**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

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silicic acid, calcium salt:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): >= 10,000 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: no

Toxicity to algae : EL50 (Desmodesmus subspicatus (green algae)): > 1,000 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

EL10 (Desmodesmus subspicatus (green algae)): 41 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

pentacalcium hydroxide tris(orthophosphate):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: Tested according to Directive 92/69/EEC.
GLP: yes

NOEC (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: Tested according to Directive 92/69/EEC.
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202

NOEC (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test

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Method: Directive 67/548/EEC, Annex V, C.3.

NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

Sediment toxicity : Not applicable

Ground calcium carbonate (GCC):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

Silicic acid, sodium salt:

Toxicity to daphnia and other aquatic invertebrates : EC0 (Daphnia): 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: Regulation (EC) No. 440/2008, Annex, C.2
GLP: yes

Silica, crystalline (quartz):

Toxicity to fish : No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates : No toxicity at the limit of solubility.

Toxicity to algae : No toxicity at the limit of solubility.

Toxicity to microorganisms : No toxicity at the limit of solubility.

Persistence and degradability

Product:

Biodegradability : Not applicable

Ingredients:

pentacalcium hydroxide tris(orthophosphate):

Biodegradability : Not applicable

Silica, crystalline (quartz):

Biodegradability : Result: Not biodegradable.

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Biochemical Oxygen Demand (BOD) : Not applicable

Chemical Oxygen Demand (COD) : Not applicable

Bioaccumulative potential

Ingredients:

Ground calcium carbonate (GCC):

Partition coefficient: n-octanol/water : Not applicable

silicic acid, calcium salt:

Partition coefficient: n-octanol/water : Not applicable

pentacalcium hydroxide tris(orthophosphate):

Bioaccumulation : Not applicable

Partition coefficient: n-octanol/water : Not applicable

Ground calcium carbonate (GCC):

Partition coefficient: n-octanol/water : Not applicable

Silica, crystalline (quartz):

Bioaccumulation : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Partition coefficient: n-octanol/water : Not applicable

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : There is no data available for this product.

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Ingredients:

Ground calcium carbonate (GCC):

Results of PBT and vPvB assessment : Non-classified PBT substance Non-classified vPvB substance

Ground calcium carbonate (GCC):

Results of PBT and vPvB assessment : Non-classified PBT substance Non-classified vPvB substance

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Acute/Chronic Health Hazard

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

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This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

Ground calcium carbonate (GCC)	1317-65-3
Silica, crystalline (quartz)	14808-60-7

Pennsylvania Right To Know

Ground calcium carbonate (GCC)	1317-65-3
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SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA -

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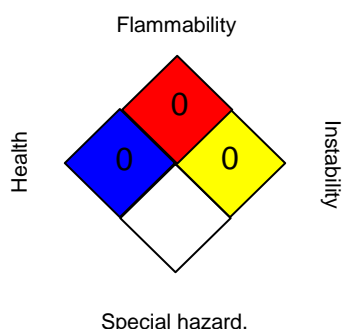
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Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

NFPA:



HMIS® IV:

HEALTH	*	1
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Sources of key data used to compile the Material Safety Data Sheet : Information taken from reference works and the literature.

Revision Date : 06/01/2017

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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